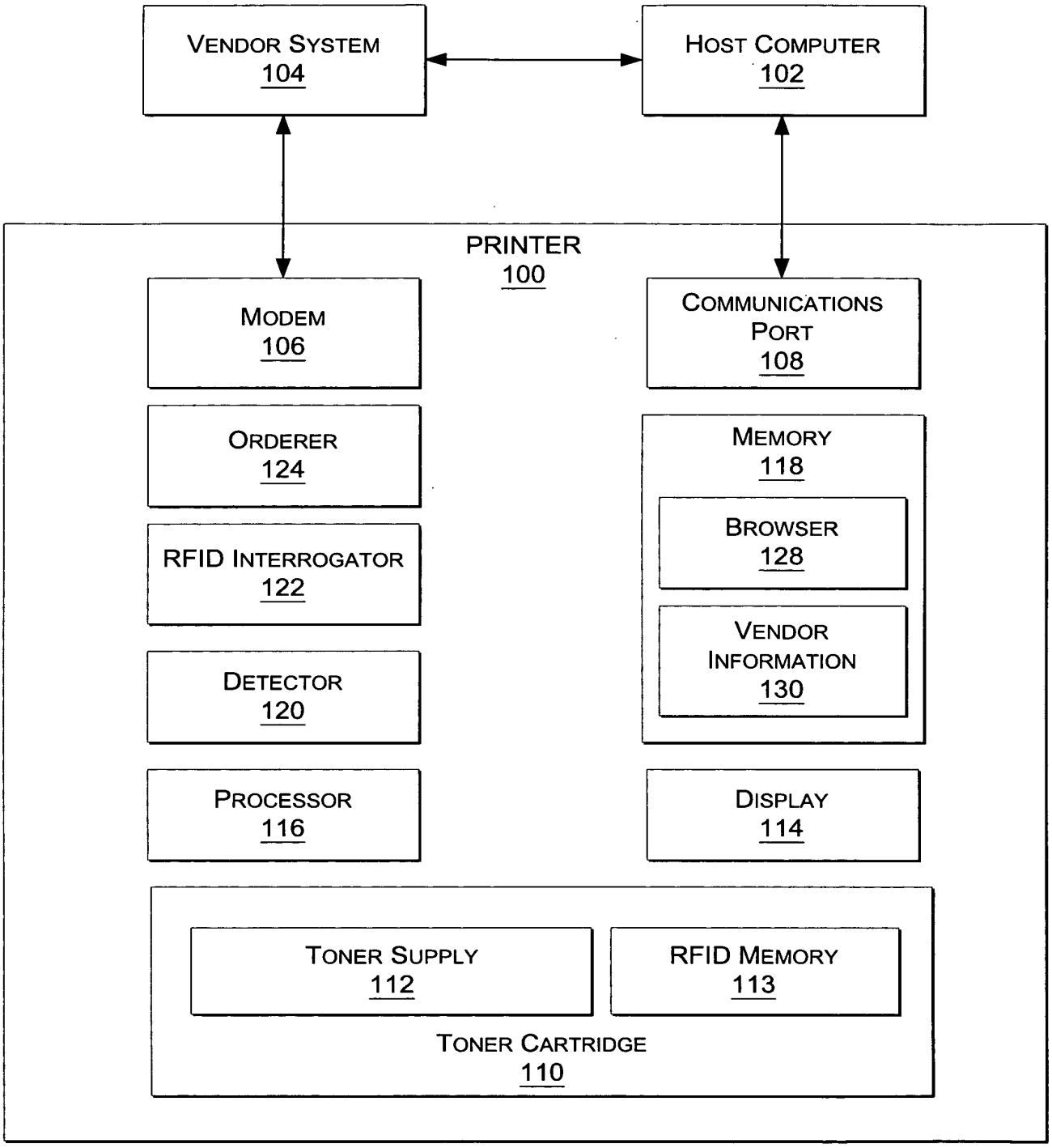
VENDOR SYSTEM
104
HOST COMPUTER
102
PRINTER
100
MODEM
106
COMMUNICATIONS PORT
108
ORDERER
124
MEMORY
118
BROWSER
128
RFID INTERROGATOR
122
VENDOR INFORMATION
130
DETECTOR
120
PROCESSOR
116
DISPLAY
114
TONER SUPPLY
112
RFID MEMORY
113
TONER CARTRIDGE
110

Fig. 1

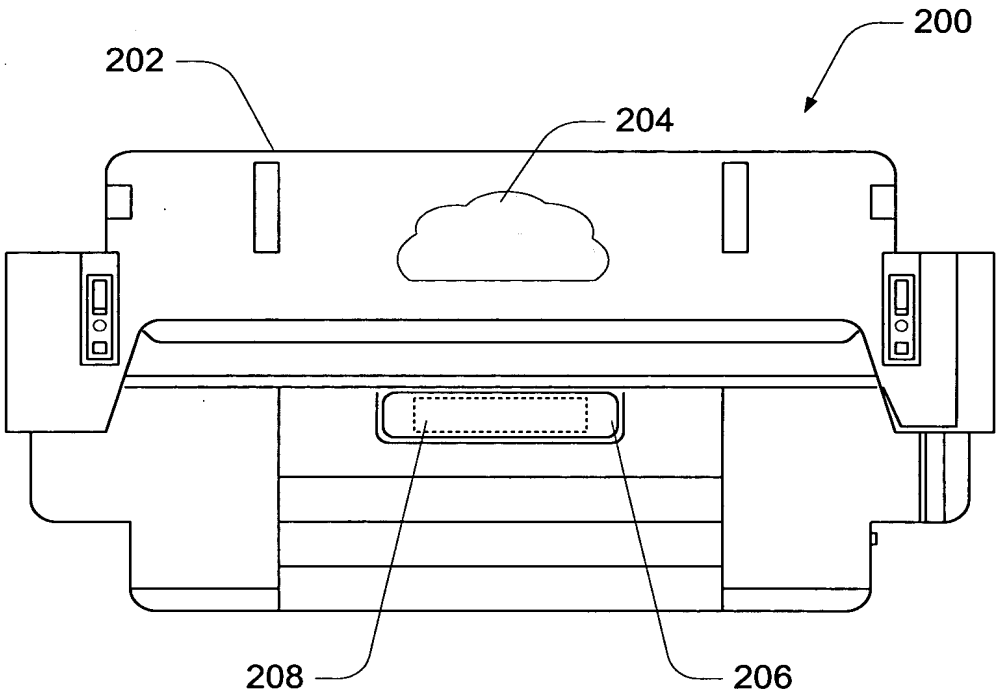

Fig. 2

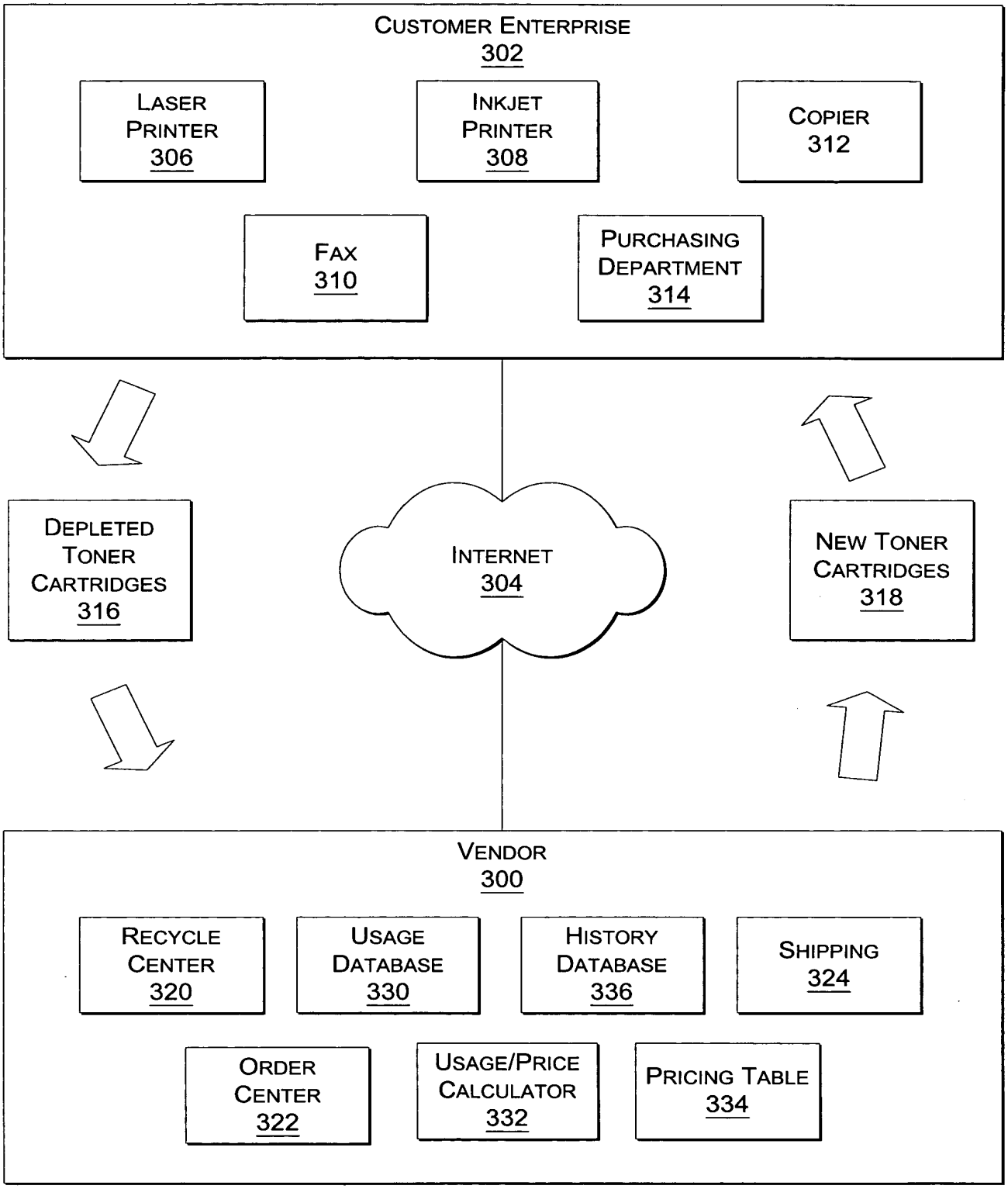
CUSTOMER ENTERPRISE
302
LASER PRINTER 306
INKJET PRINTER 308
COPIER 312
FAX 310
PURCHASING DEPARTMENT 314
DEPLETED TONER CARTRIDGES 316
INTERNET 304
NEW TONER CARTRIDGES 318
VENDOR
300
RECYCLE CENTER 320
USAGE DATABASE 330
HISTORY DATABASE 336
SHIPPING 324
ORDER CENTER 322
USAGE/PRICE CALCULATOR 332
PRICING TABLE 334

Fig. 3

	410	412	414	416	418
	CUSTOMER NAME	CUSTOMER NUMBER	PAGES PRINTED	USAGE TERM	HISTORY TABLE
402					
404					
406					
408					

USAGE DATABASE
400

Fig. 4

	508	510
	DATE	PAGE COUNT
502		
504		
506		

HISTORY DATABASE
500

Fig. 5

Express Mail Label No. EV 339 933 525 US

	610 USAGE (PP/MO)	612 DISCOUNT	614 PRICE
602	5K	5%	$95.00
604	10K	7%	$93.00
606	15K	10%	$90.00
608	25K	15%	$85.00

PRICING TABLE
600

Fig. 6

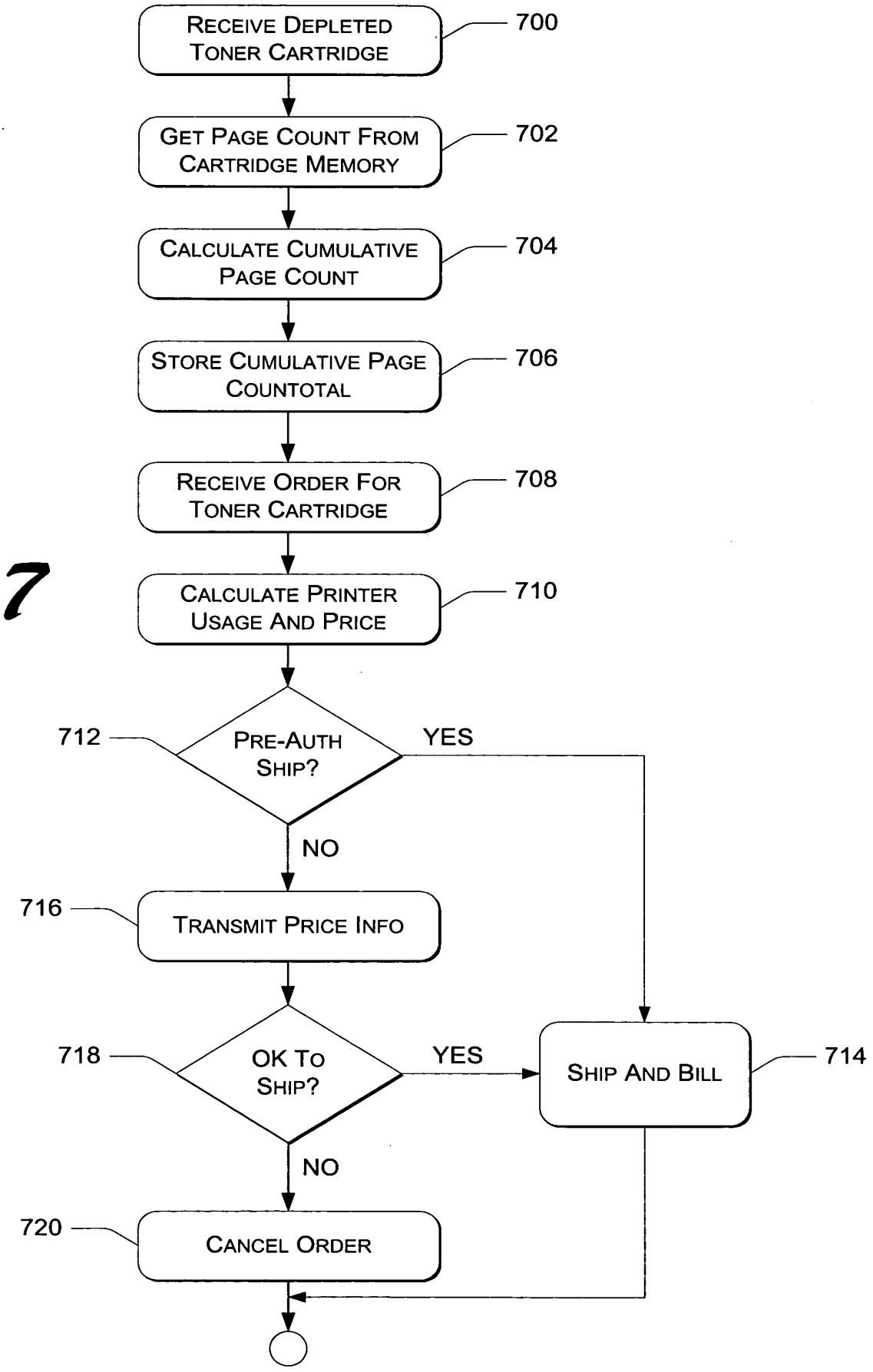
RECEIVE DEPLETED TONER CARTRIDGE
700
GET PAGE COUNT FROM CARTRIDGE MEMORY
702
CALCULATE CUMULATIVE PAGE COUNT
704
STORE CUMULATIVE PAGE COUNTOTAL
706
RECEIVE ORDER FOR TONER CARTRIDGE
708
CALCULATE PRINTER USAGE AND PRICE
710
712
PRE-AUTH SHIP?
YES
NO
716
TRANSMIT PRICE INFO
718
OK TO SHIP?
YES
SHIP AND BILL
714
NO
720
CANCEL ORDER

Fig. 7